Faculty of Applied Information Technology
field of study: INFORMATION TECHNOLOGY (ENG)
specialty: Drone Technologies
level: first-cycle studies
professional title awarded to graduates: licencjat
education profile: practical
type of study: full-time

UNIVERSITY of INFORMATION TECHNOLOGY and MANAGEMENT in Rzeszow, POLAND

IN.LSA.DRT.2026_Z

Students admitted in the academic year: 2026/2027

No.	Course title	Form of credit	Level	ECTS	ECTS PP	Number of hours: Total	Including: L	S	W	Lab	P	eL	I Year: sem 1: L	S	W	Lab	P	eL	ECTS	sem 2: L	S	W	Lab	P	eL	ECTS	II Year: sem 3: L	S	W	Lab	P	eL	ECTS	sem 4: L	S	W	Lab	P	eL	ECTS	III Year: sem 5: L	S	W	Lab	P	eL	ECTS	sem 6: L	S	W	Lab	P	eL	ECTS
	All-University Courses																																																			
1	English for Specific Purposes	GC, Ex	-	8	0	120	0	0	0	120	0	0				60			4				60			4																											
2	Digital Safety and Awarness	C	-	1	0	10	10	0	0	0	0	0	10						1																																	
3	Fundamentals of Economics	C	-	1	0	20	0	20	0	0	0	0															20						1																			
4	Personal Business Model	C	-	1	0	20	0	0	10	0	10	0																10			10		1																			
5	Protection of Intellectual Property	C		1	0	8	8	0	0	0	0	0								8						1																											
6	Academic Writing Skills	C	-	1	0	8	0	0	0	8	0	0																									8				1											
7	Health and Safety while Studying	C	-	0	0	4	4	0	0	0	0	0	4						0																																	
8	Civilization Challenges	C	-	1	0	20	20	0	0	0	0	0																													1											
9	Physical Education	C	-	0	0	60	0	0	60	0	0	0										30				0			30				0																			
	Basic Courses																																																		
10	Fundamentals of Mathematics with Elements of Linear Algebra	Ex	-	5	0	44	20	0	24	0	0	0	20		24				5																																	
11	Discrete Mathematics	Ex	-	6	0	52	22	0	30	0	0	0								22		30				6																											
12	Mathematical Analysis	Ex	-	4	0	32	16	0	16	0	0	0								16		16				4																											
13	Fundamentals of Statistics	GC	-	2	0	16	0	0	0	16	0	0																		16			2																			
14	Introduction to Electronics and Electrical Engineering	GC	3	3	0	38	0	0	0	18	0	20																		18		20	3																			
15	Physics	Ex	-	4	0	30	16	0	0	14	0	0								16			14			4																											
16	Law	Ex	-	1	0	20	0	20	0	0	0	0									20					1																											
	Major-Related and Specialty Courses																																																		
17	Algorithms and Data Structures	Ex	4	5	3	50	26	0	0	24	0	0								26			24			5																											
18	Introduction to IT	Ex	3	3	2	28	14	0	0	14	0	0	14			14			3																																	
19	Introduction to Programming	Ex	3	4	3	46	20	0	0	26	0	0	20			26			4																																	
20	Programming	Ex	4	4	3	42	0	22	0	20	0	0									22		20			4																											
21	Object-Oriented Programming	Ex	4	4	3	40	0	20	0	20	0	0																20		20			4																			
22	Software Engineering	Ex	5	4	2	46	22	0	0	24	0	0																																							22			24			4
23	Computer System Architecture	Ex	4	5	3	54	26	0	0	28	0	0																													26			28			5							
24	Operating Systems	Ex	3	4	2	40	24	0	0	16	0	0															24			16			4																			
25	Network Technologies (CCNA)	Ex	3	7	4	62	22	0	0	20	20	0	22			20	20		7																																	
26	Social and Occupational Problems of IT	Ex	-	2	0	27	0	12	0	0	0	15		12				15	2																																	
27	Computer Graphics	Ex	-	2	1	30	0	16	0	14	0	0									16		14			2																											
28	Databases	Ex	3	4	2	40	20	0	0	20	0	0															20			20			4																			
29	Introduction to Artificial Intelligence	Ex	4	3	2	32	12	0	0	20	0	0																													12			20			3							
30	Programming Project	GC	4	5	5	50	0	0	0	0	50	0																			50		5																			
31	Human-Computer Communication	GC	4	3	0	30	0	0	0	0	20	10																																						20	10	3
32	Cybersecurity Essentials	GC	3	4	4	40	0	0	0	20	20	0																		20	20		4																			
33	Construction and Operation of Unmanned Aerial Vehicles	Ex, GC	4	3	2	36	16	0	0	20	0	0	16						1				20			2																											
34	Security of Mobile Applications and Embedded Systems	GC	4	4	4	40	0	0	0	0	20	20																																						20	20		4
35	Mobile Applications for Drones	GC	5	5	5	45	0	0	0	25	20	0																																									
36	Mobile System Design	GC	5	3	3	34	0	0	0	14	20	0																									14	20		3											
37	Artificial Intelligence in Drone Applications	GC	5	5	5	50	0	0	0	30	20	0																																								
38	Data Management	GC	5	5	5	50	0	0	0	30	20	0																																								
39	Embedded Systems Programming	GC	5	4	4	40	0	0	0	20	20	0																		20	20		4																			
40	Team Project	GC	3	4	4	40	0	0	0	0	40	0																																								
41	Diploma Seminar	GC	-	10	8	60	0	0	60	0	0	0																																								
42	Vocational Apprenticeship part 1 (3 months)	GC	-	18	18	480	0	0	480	0	0	0																									480				18										
43	Vocational Apprenticeship part 2 (3 months)	GC	-	18	18	480	0	0	480	0	0	0																																								
			Total	181	115	2514	318	110	200	601	280	45	106	12	24	120	20	15	27	88	58	76	152	0	0	33	44	40	40	130	100	20	32	58	0	0	70	20	0	31	0	0	30	85	100	0	24	22	0	30	44	40	10	34
							Number of hours per semester excluding Vocational Apprenticeship						297							374							374							148							215							146						

% ECTS electives	61	34%
ECTS credits to obtain within humanities or social sciences	5	
classes involving direct participation of academic teachers end students		
number of classes	2411	
ECTS	96	53%
% ECTS for classes developing practical skills	115	64%

LEGEND:
- C Credit
- GC Graded Credit
- Ex Exam
- L Lecture
- S Seminar
- W Workshops
- Lab Laboratory / Foreign Language Workshops
- P Project
- eL e-learning (Distance Learning)

MARKINGS:
- CISCO, AWS Authorised Training
- Exam
- Project conducted according to the Project-Based Learning model
- Classes developing practical skills